

## Title (en)

ARC DISCHARGE LAMP WITH ELECTRODELESS ULTRAVIOLET RADIATION STARTING SOURCE

## Publication

**EP 0313028 A3 19910130 (EN)**

## Application

**EP 88117416 A 19881019**

## Priority

US 11139687 A 19871022

## Abstract (en)

[origin: EP0313028A2] A metal halide arc discharge lamp comprises an arc tube containing a chemical fill including mercury and metal halides and having first and second electrodes respectively sealed at opposite ends thereof. An outer envelope surrounds the arc tube and has first and second terminals for electrical connection thereto. An electrodeless source of ultraviolet radiation is provided within the outer envelope proximate the arc tube for producing radiation which illuminates the path between the electrodes of the arc tube to decrease the amount of time for generating a gaseous discharge therebetween. The ultraviolet light source includes an envelope of ultraviolet light transmitting material having opposing ends. Portions of the envelope of the ultraviolet light source are capacitively coupled across the electrodes of the arc tube such that the source produces ultraviolet radiation during lamp starting when the first and second terminals of the lamp are energized.

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## CPC (source: EP US)

**H01J 61/54** (2013.01 - EP US); **H01J 65/04** (2013.01 - EP US)

## Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 15 (E-43) 29 January 1981, & JP-A-55 143 768 (TOSHIBA CORP.) 10 November 1980,
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